

CORRECTIONS AND ADDITIONS TO THE "CATALOG OF THE
HETEROPTERA, OR TRUE BUGS, OF CANADA AND THE
CONTINENTAL UNITED STATES"

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Abstract. — The catalog of the Heteroptera of Canada and the United States, appearing in December 1988, contains entries for more than 675 genera and 3800 species. Through use and the efforts of the coeditors and cooperating colleagues, a list of corrections and additions is provided for the 958-page volume. Changes range from extra periods and parentheses around authors names to omitted taxa. Added to the North American list are the berytid *Jalysus balli* Harris, the coreid *Mozena obtusa* Uhler, the corixid *Glaenocoris quadrata* Walley, and the mirids *Apachemiris vigilax* (Van Duzee), *Hyalopsallus diaphanus* (Reuter), *Mexicomiris texanus* Carvalho and Schaffner, *Polymerus rubroornatus* Knight, and *Labopidea simplex nigriventris* Knight. The lygaeid *Peritrechus convivus* (Stål) is recognized as the senior synonym of *P. distinguendus* (Flor) and the mirid *Psallus haematodes* (Gmelin), the senior synonym of *P. roseus* (F.).

Key Words: Omitted taxa, gender, derivation, berytid, coreid, corixid, mirids, lygaeid

It has been more than two years since the *Catalog of the Heteroptera, or True Bugs, of Canada and the Continental United States* (Dec. 12, 1988, E. J. Brill Publ., Leiden and New York) appeared (available through Sandhill Crane Press, Inc., 2406 NW 47th Terrace, Gainesville, FL, USA 32606; \$58.50). Now that some time has passed to test its accuracy through use, we feel that it is appropriate to present corrections for some of the errors and omissions we have discovered and those kindly pointed out by our colleagues. We offer no excuses for the list that follows, but only restate a sentence included in the catalog's introduction (p. xv): "We . . . realize, more than anyone, the immensity of . . . the present task and the probability for error or omission." We are pleased that the scientific community, despite the errors that crept into the volume, has re-

sponded favorably to it (Schuh, R. T. 1989, *J. New York Entomol. Soc.*, 97: 243-245; Steyskal, G. C., 1989, *Proc. Entomol. Soc. Wash.*, 91: 649; and C. W. Schaefer, 1990, *Ann. Entomol. Soc. Am.*, 84: 132-134).

A particularly problematic aspect of the catalog involved the agreement of gender for generic and specific names. In the list that follows, we attempt to correct a few more names (with much aid from I. M. Kerzhner and G. Steyskal), with an indication of their gender or derivation. Also, several colleagues pointed out the problem with specific patronymic names ending in "ii" (see our discussion on p. xvi of the catalog). The overwhelming response was that the original spelling should be retained. We agree and encourage users of the Heteroptera volume to follow.

A few colleagues pointed out literature

not found in the catalog that appeared after the indicated cut-off date. We reemphasize the literature review for the Heteroptera Catalog ended Dec. 31, 1986, as stated on page xv.

Finally, we recognize those people who took the time to inform us about the errors they discovered in the catalog. We are especially grateful to S. I. Frommer (Univ. California, Riverside), I. M. Kerzhner (Zool. Inst., Leningrad), J. T. Polhemus (Univ. Col. Mus., Englewood, Colorado), C. W. Schaeffer (Dept. Ecol. Evol. Biol., Univ. Conn., Storrs), J. C. Schaffner (Dept. Entomol., Texas A&M Univ., College Station, Texas), G. C. Steyskal (Syst. Entomol. Lab (SEL), ARS, USDA, % USNM, Washington, D.C., retired), and A. G. Wheeler, Jr. (Bur. Plant Ind., Pa. Dept. Agric., Harrisburg, Pennsylvania) for their time-consuming reviews and numerous comments, which have made the following list much more complete. R. W. Hodges (SEL), R. W. Poole (SEL), P. J. Spangler (USNM), and A. G. Wheeler, Jr. kindly reviewed this manuscript.

CORRECTIONS AND ADDITIONS

- p. xvii. To the Canadian abbreviations add "N.S." for Nova Scotia; to the United States abbreviations add "Miss." for Mississippi and "Wyo." for Wyoming.
- p. xix. Under original artwork correct "Gustava" Hormiga to "Gustavo."
- p. 6. Herrich-Schaeffer date for *Alydus pilosulus* heading should be 1847.
- p. 9. Leptocorisinae should be Leptocorinae.
- p. 9. Change *Stenocoris furcifer* to *furcifera*.
- p. 13. Author and dates for subfamily Anthocorinae and tribe Anthocorini should be Fieber, 1837.
- p. 14. Add B.C. to distribution of *A. confusus*.
- p. 15. Italicize *Elatophilus brimleyi* Kelton.
- p. 20. *Paratriphleps* is feminine; change *laeviusculus* to *laeviuscula* (also italicize) and *pallidus* and *pallida*.
- p. 23. The type species for *Lyctocoris* Hahn is *Lyctocoris domesticus*, Hahn, 1836, a junior secondary homonym of *Cimex domesticus* Schilling, 1834, a junior synonym of *Acanthia campestris* Fabricius, 1794. The next available name for *L. domesticus* Hahn is *Lyctocoris nidicola* Wagner, 1955 [See Kerzhner, 1979, Trudy Zool. Inst. Akad. Nauk SSR, 81: 23].
- p. 25. *Nidicola* is masculine; change *marginata* to *marginatus*.
- p. 25. *Scoloposcelis* is feminine; change *basilicus* to *basilica*.
- p. 33. In the 1903 reference under *Aradus aequalis*, correct the spelling of "Osborn."
- p. 58. Remove period after date in generic heading of *Neides*.
- p. 59. Type species for *Jalysus* should read *Metacanthus macer*, not *Jalysus macer*.
- p. 59. Add the following species entry:
- Jalysus balli* Harris, 1941
1941 *Jalysus balli* Harris, Bull. Brooklyn Ent. Soc., 36: 106. [Ariz.].
Distribution: Ariz. (Mexico).
- p. 69. In second column, 1st paragraph, 4th line, change "here" to "where."
- p. 71. To the section discussing Coreidae excluded from the catalog, add the following:
- Blöte reported *Althos inornatus* (Stål) [in genus *Margus*] (1935, Zool. Meded., 18: 193) and *Molchina hopei* (Perty) (1836, Meded, 19: 24) from California. The 1935 record probably refers to "Lower California" [Baja], Mexico and the 1936 report, recorded with a question, probably is based on a mislabeled specimen. Both species are excluded from the U.S. fauna.
- p. 74. In note under *A. terminalis*, change date for Yonke and Medler reference from 1963 to 1969.
- p. 74. Under the genus *Acanthocerus* and its type species, *Cimex cruciger* Tigny, 1813 [1801] is considered a distinct species now placed in the genus *Machtina* Amyot and Serville.

- p. 75. Author of tribe Anisoscelidini should be Laporte, 1832, not Amyot and Serville, 1843.
- p. 79. Date for *Chariesterus* Laporte in title should be 1833.
- p. 80. *Chelinidea* is feminine; change *vittiger* to *vittigera*.
- p. 81. Change date for De Geer after *Anasa tristis* heading to 1773.
- p. 83. Under the genus *Hypselonotus*, dates for Hahn should be 1833, three times.
- p. 85. Osuna (1981, Rev. Tribe Leptoscelini, p. 75) described a new genus for the species *Cimex pictus* Drury; therefore, replace genus *Phthia* with the following:
- Genus *Dallacoris* Osuna, 1981
- 1981 *Dallacoris* Osuna, Rev. Tribe Leptoscelini, p. 75. Type-species: *Cimex pictus* Drury, 1770. Original designation.
- p. 86. Change heading *Phthia picta* (Drury), 1770 to *Dallacoris pictus* (Drury), 1770. After 1919 McAtee entry add:
- 1981 *Dallacoris pictus*: Osuna, Rev. Tribe Leptoscelini, p. 77.
- p. 87. Add the following species entry after *Mozena lurida*:
- Mozena obtusa* Uhler, 1876
- 1876 *Mozena obtusa* Uhler, Bull. U.S. Geol. Surv. Terr., 5: 30. [N.M., Tex.].
- Distribution: Ariz., N.M., Tex.
- Note: Torre-Bueno (1941, Ent. Am., 21: 55), through a lapsus, keyed this species twice; therefore, the species name and distribution in couplet 1 should be referred to *M. obesa*.
- p. 88. *Piezogaster* is feminine; change *auriculatus* to *auriculata* and *indecorus* to *indecora*.
- p. 90. Meropachydinae, based on the type genus *Meropachys*, should be Meropachinae.
- p. 93. Second column, last paragraph, 7th line, remove "slash" from "provides."
- p. 100. Under genus *Hesperocorixa* in Kirkaldy (1908) reference, correct spelling of *Arctocorixa* to *Arctocorisa*.
- p. 102. "Wash." in distribution for *H. minor* and *H. nitida* should be referred to "D.C."
- p. 110. Type designation for subgenus *Subsigara* Stichel should be "Original designation."
- p. 111. Add Neb. to distribution of *Sigara alternata*.
- p. 116. Remove colon after *Trichocorixa verticalis verticalis* in subspecies heading.
- p. 117. Add following species after *Glaenocorisa propinqua*:
- Glaenocorisa quadrata* Walley, 1930
- 1930 *Glaenocorixa* [sic] *quadrata* Walley, Can. Ent., 62: 78. [Que.].
- 1944 *Glaenocorisa quadrata*: Hungerford, Bull. Brooklyn Ent. Soc., 39: 32.
- Distribution: Alk., N.T., Nfld., Que. (Norway).
- p. 120. Second column, last paragraph, 11th line, change Slater and Baranowski reference date from 1878 to 1978.
- p. 120. Add B.C. to distribution of *A. pallidus*.
- p. 122. Under *Cyrtomenus ciliatus*, date for Palisot should be 1818.
- p. 130. Note that tarsi in fig. 35 should have only 2 tarsomeres each as indicated in the family introduction.
- p. 134. *Hymenocoris* is masculine; change *formicina* to *formicinus*.
- p. 142. *Gerris* is masculine; change *ampla* to *amplus*, both under species and subspecies.
- p. 144. Change spelling of *Gerris incognitis* to *incognitus*, two times.
- p. 162. Under *Acinocoris lunaris*, date for Gmelin should be 1790.
- p. 176. Following Kerzhner (1981, Bull. Zool. Nomen., 38: 205-207), date for *Ischnodemus brunnipennis* Germar should be 1838, not 1837.
- p. 178. *Toonglosa* is feminine; change *T. umbratus* to *umbrata*.

- p. 195. Near bottom of page, move "*M. bistriangularis bistriangularis*: Maldonado, Proc. Ent. Soc. Wash., 76: 26." to line above following "1974."
- p. 210. Following Kerzhner (1981, Bull. Zool. Nomen., 38: 205-207), dates for Germar under genus *Pachygrontha* should be 1838, not 1837.
- p. 216. Date for Banks' reference under *G. walleyi* should be 1910, not 1938.
- p. 221. Add to distribution of *Trapezonotus arenarius* "Europe to Siberia."
- p. 223. *Lamprodema* is neuter; change *maura* to *maurum*.
- p. 224. "Fabricius" in "Synonymized with *Megalonotus chiragra* Fabricius. . ." under Van Duzee, 1928, reference should be parentheses.
- p. 227. *Froeschneria* is feminine; change *multispinus* to *multispina*.
- p. 230. *Ligyrocoris sylvestris* also occurs across the USSR to Japan.
- p. 243. *Peritrechus distinguendus* (Flor) is now a junior synonym of *P. convivus* Stål. Modify the entry for this species as follows:
Peritrechus convivus (Stål), 1851
 1851 *Rhyparochromus convivus* Stål, Stett. Ent. Zeit., 19: 180. [USSR].
 1860 *Pachymerus distinguendus* Flor, Rhyn. Livl., p. 266. [Livlands].
 Synonymized by Puchkov, 1969, Faun. Ukraine, Lygaeidae, p. 294.
 1969 *Peritrechus convivus*: Puchkov, Faun. Ukraine, Lygaeidae, p. 294.
- p. 245. Under *Stygnocoris sabulosus*, Barber (1918) reference to *Stygnocoris pedestris* should be dated 1916.
- p. 248. Type species for *Mesovelgia* should be spelled *fuscata* not *furcata*.
- p. 255. First column, 4th line, date for Schuh, 1976, Am. Mus. Nov., 2585: 1-26 should be 1975.
- p. 255. Second column, second full paragraph, 7th line, change spelling of "*lineolarus*" to "*lineolaris*."
- p. 257. Second column, 13th line from bottom, remove extra comma after "problems."
- p. 264. Under genus *Macrolophus* and Type-species, date for Herrich-Schaeffer should be 1835.
- p. 266. Change *Halticotoma cornifer* to *cornifera*.
- p. 267. In the note under *Hesperolabops gelastops*, the spelling "*Labos*" should be changed to *Lobos* as in the Marlatt, 1896, entry for that species.
- p. 268. Correct the spelling of "*Sixeonotopis*" to *Sixeonotopsis* Carvalho and Schaffner, 1974, four times.
- p. 273-274. *Clivinema* is neuter; change *detecta* to *detectum*, *fusca* to *fuscum*, *fuscinervis* to *fuscinerve*, *medialis* to *mediale*, *regalis* to *regale*, *serica* to *sericum*, *sinuata* to *sinuatum*, *sulcata* to *sulcatum*, and *villosa* to *villosum*. Modify index accordingly.
- p. 290. Under Isometopinae note, 2nd paragraph, should be modified to read: "proposed to resurrect the name Myommara [sic] McAtee and Malloch." Also, "P13," in parentheses preceding above statement should be changed to "p. 13."
- p. 294. Add following generic and species entries to Herdoniini after genus *Heidmanniella*:

 Genus *Mexicomiris* Carvalho and Schaffner, 1974
 1974 *Mexicomiris* Carvalho and Schaffner, Rev. Brasil. Biol., 33 (supl.): 42. Type-species: *Mexicomiris myrmecoides* Carvalho and Schaffner, 1974. Original designation.
Mexicomiris texanus Carvalho and Schaffner, 1974
 1986 *Mexicomiris texanus* Carvalho and Schaffner, Ann. Soc. Ent. France (N.S.), 22: 217. [Tex.].
 Distribution: Tex.
- p. 296. Add Europe and Asia or Palearctic to distribution of *Agnocoris rubicundus*.

- p. 299. Under *Calocoris norvegicus*, change date for Gmelin to 1790, two times.
- p. 301. Under distribution for *Capsus cinctus*, change Siberia to USSR.
- p. 302. We discovered that *Deraeocoris purgatus* Stål (1860, Öfv. Svens. Vet.-Akad. Handl., 2(7): 51) had been transferred to *Creontiades* and placed in synonymy with *C. rubrinervis* (Stål), 1862, by Carvalho (1959, Arq., Mus. Nac., 48: 77). Because of Carvalho's (1959) incorrect published date (as 1852) for the original description of *C. rubrinervis* (although we cited the correct date), we overlooked *C. purgatus* as the senior synonym. However, Carvalho (1989, An. Acad. Brasil. Ci., 60: 477) now has considered them separate species, thus, eliminating the need to treat *C. rubrinervis* as a junior synonym.
- p. 312. *Lygidea* Reuter, 1875 is not a *nomen nudum*, and the type designation of *deraeocoris illotus* Stål, under *Lygidea* Reuter, 1879, should read "First included species."
- p. 314. To the distribution of *L. lucorum* add Asia, North Africa.
- p. 317. Add to distribution of *Lygocoris contaminatus* Europe and Asia or Palearctic.
- p. 328. *Monalocorisca* is feminine; change *maculatus* to *maculata*.
- p. 329. *Monalocorisca* is feminine; change *rostratus* to *rostrata*.
- p. 333. Change *Phytocoris albiesi* to *abietis*.
- p. 342. Alphabetize *Phytocoris juniperanus* Knight and *P. junipericola* Knight.
- p. 345. Italicize *Phytocoris plenus* Van Duzee.
- p. 358. Add the following species after *P. rubrocuneatus*:
Polymerus rubroornatus Knight, 1926
 1926 *Polymerus rubroornatus* Knight,
 Can. Ent., 58: 164. [Col].
 Distribution: Col., N.M., Ut.
- p. 360. Original spelling of *Proba californica* should be *Pinalitus "californicus."* Also correct index.
- p. 374. Correct tribal spelling Resthenini to Restheniini.
- p. 384. Under *Leptopterna dolabrata*, change "van" to "var." in Reuter (1875) reference.
- p. 386. Add the following to the synonymy of *Megaloceroea recticornis*:
 1973 *Megaloceraea [sic] recticornia [sic]*: Akingbohunge et al., Univ. Wis. Res. Bull., R2561: 2.
- p. 386. ICZN, Opinion 898, regards *Stenodema neuter*; change *dorsalis* (p. 387) to *dorsale* and *vicina* (p. 388) to *vicinum*.
- p. 388. Add following note to genus *Teratocoris*: Kelton (1966, Can. Ent., 98: 1270) provided a key to the Nearctic species.
- p. 389. Correct for spelling of "coelestialium" to *T. caelestialium*. All workers have misspelled this name subsequent to the original description.
- p. 398. Add to list of synonymy for *Ceratocapsus setosus* Reuter, 1909:
 1927 *Ceratocapsus setuosus [sic]*:
 Knight, Ohio J. Sci., 27: 148.
- p. 400. Under *Schaffneria schaffneri*, Ariz. record should be Alta. (Alberta).
- p. 400. Authorship for tribe Halticini should be Costa, 1853, not Kirkaldy, 1906.
- p. 403. Add to genus *Apachemiris* Carvalho and Schaffner, 1974:
Apachemiris vigilax (Van Duzee), 1923.
 1923 *Orthotylus vigilax* Van Duzee,
 Proc. Cal. Acad. Sci., 12: 155.
 [Mexico].
 1974 *Apachemiris vigilax*: Carvalho and
 Schaffner, Rev. Brasil. Biol., 33
 (supl.): 68.
 Distribution: Ariz., Cal. (Mexico).
- p. 410. *Fieberocapsus flaveolus* also occurs across the USSR.
- p. 416. Add the following subspecies of *Labopidea simplex*:
Labopidea simplex nigriventris Knight,
 1928

1928 *Labopidea simplex nigriventris*
Knight, Can. Ent., 55: 235. [Col.].
Distribution: Cal., Col.

Note: This subspecies was not mentioned by Kelton (1979, Can. Ent., 111: 753–754) and probably is only a color form of the nominate subspecies.

- p. 422. The original spelling of *Lopidea nigridea* should be corrected to *nigridia*, two times.
- p. 428. The first combination for *flavosparvus* in the genus *Melanotrichus* is Knight, 1927, Can. Ent., 59: 142, not Knight, 1941.
- p. 442. Transfer genus *Phoradendrepulus* Polhemus and Polhemus, 1985 and *P. myrmecomorphus* Polhemus and Polhemus, 1985 to subfamily Phylinae, tribe Hallodapini on p. 456, following *Orectoderus*. Change index accordingly and note that “myrmecomorphus” should be in lowercase without italics as valid name.
- p. 458. Add to 1931 *Cyrtorhinus pubescens* Knight entry (first line) the following: Synonymized by Carvalho and Southwood, 1955, Bol. Mus. Goeldi, 11: 28.
- p. 459. *Atomoscelis* is feminine; change *modestus* to *modesta*.
- p. 461. *Beamerella* is feminine; change *personatus* to *personata*.
- p. 467. *Europiella* is feminine; change *nigrofemoratus* to *nigrofemorata*.
- p. 468. Add the following genus and species:

Genus *Hyalopsallus* Carvalho and Schaffner, 1974

1974 *Hyalopsallus* Carvalho and Schaffner, Rev. Brasil. Biol., 33: 19.
Type-species: *Atomoscelis diaphanus* Reuter, 1907. Original designation.

Hyalopsallus diaphanus (Reuter), 1907
1907 *Atomoscelis diaphanus* Reuter, Öfv. F. Vet. Soc. Förh., 49: 24. [Jamaica].

1982 *Hyalopsallus diaphanus*: Henry and Wheeler, Fla. Ent., 65: 234.
Distribution: Fla. (Jamaica).

- p. 471. Add following entry to synonymy of *Macrotylus amoenus*:
- 1909 *Macrotylus amoemus* [sic]: Van Duzee, Bull. Buffalo Soc. Nat. Sci., 9: 182.
- p. 477. *Monosynamma bohemani* should be *M. bohemanni*. [sic] should be deleted from Hussey (1922) and Kelton (1980) and added to Horvath (1908), Knight (1917), and Carvalho (1958).
- p. 483. *Plagiognathus chrysanthemi* also occurs across the USSR.
- p. 491. *Pronotocrepis* is feminine; change *ruber* to *rubra*.
- p. 491. Under genus *Psallus* and Type-species: *Cimex roseus* Fabricius, change 1776 to 1777 and add: Preoccupied by *Cimex roseus* Miller, 1776. New name *Cimex haematodes* Gmelin, 1790.
- p. 492. According to I. M. Kerzhner (pers. comm.), *P. ancorifer* does not occur in the USSR (Asia Minor).
- p. 494. Change entry for *Psallus roseus* (Fabricius), 1777, as follows:
- Psallus haematodes* (Gmelin), 1790
1777 *Cimex roseus* Fabricius, Gen. Ins., p. 300. [Europe]. Preoccupied by *Cimex roseus* Miller, 1776.
1790 *Cimex haematodes* Gmelin, Sys. Nat., 13: 2169. New name for *Cimex roseus* Fabricius, 1777.
1970 *Psallus haematodes*: Kerzhner, Acta Ent. Mus. Nat. Prag., 38: 143.
1983 *Psallus roseus*: Kelton, Can. Ent., 115: 325.
- p. 502. In species heading for *P. polita*, correct generic spelling to *Paramixia*.
- p. 502. Under 1907 *Sthenarus plebejus* Reuter entry, “Synonymized by Henry . . .” should read “Synonymized and lectotype designated by Henry . . .”
- p. 515. Add 2nd paragraph to note under

- genus *Nabis*: The name "*Nabis perennis* Fitch, Ms.," listed by Walker (1893, Cat. Hem. Brit. Mus., p. 143) and Van Duzee (1917, Cat. Hem., 2: 282) is a *nomen nudum* and, therefore, not included in the following list of species. Add "*perennis, Nabis*" to index.
- p. 519. Correct *P. fusca nigripes* entry as follows.
- Pagasa fusca nigripes* Harris, 1926
1926 *Pagasa fusca* var. *nigripes* Harris, Ent. News, 37: 287. [Col.].
1928 *Pagasa fusca nigripes*: Harris, Ent. Am., 9: 26.
- p. 525. Change spelling of genus *Syncollis* to *Syncollus*, two times. Also correct index.
- p. 526. Authorship of the subfamily *Naucorinae* should be Leach, 1815, not Stål, 1876.
- p. 529. Authorship of the subfamily *Nepinae* should be Latreille, 1802, not Douglas and Scott, 1865.
- p. 531. Remove parentheses around Montandon in *Ranatra fusca edentula*.
- p. 536. The tribe *Nychini* should be spelled *Nychiini*.
- p. 537. The type-species for *Notonecta* was designated by Latreille, 1810, Cons. Gén., p. 434, not Lamarck, 1801.
- p. 54. Under genus *Apateticus*, date for Herrich-Schaeffer should be 1840.
- p. 552. The genus *Mineus* should be reduced to a junior synonym of the genus *Perillus* on p. 553. Synonymized by Hoffman, 1971, Va. Polytech. Inst. St. Univ., Res. Div. Bull., 67: 53.
- p. 553. At top of page under *Oplomus dichrous*, dates for Herrich-Schaeffer should be 1838, three times.
- p. 554. Add Ont. to distribution of *Picromerus bidens* (Linnaeus).
- p. 563. Change spelling of tribal name *Mecideini* to *Mecideini*.
- p. 564. Add Mexico to distribution of *Mecidea major* Sailer.
- p. 565. Original spelling of *A. pennsylvanicum* (Gmelin), with one "n," should be retained.
- p. 571. Add Mexico to distribution of *Chlorochroa faceta* (Say) and *C. osborni* (Van Duzee).
- p. 581–82. Add B.C. to distribution of *Holcostethus piceus*.
- p. 582. Add to synonymy under *Hymenarcys aequalis* (Say): 1867 *Pentatoma dentata*: Walker, Cat. Hem. Brit. Mus., 2: 288.
- p. 589. Under *Oebalus insularis, querini* should be *guerini*, two times.
- p. 600. Add Ga. to distribution under *Macrocephalus cimicoides*.
- p. 603. Correct the spelling of "Costa Rica," under *Phymata granulosa*.
- p. 604. Add Cal. to distribution under *Phymata pennsylvanica*.
- p. 605. In family title, remove Spinola from authorship.
- p. 619. Correct the spelling of *crassipes* under subspecies heading.
- p. 625. Change date for tribe *Metapterini* Stål from 1859 to 1874.
- p. 628. *Emesopsis* is feminine; change *E. nubilus* to *nubila*.
- p. 632. *Atrachelus* is masculine; change *mucosa* to *mucosus*.
- p. 637. Under Subgenus *Diplacodus*, Kirkaldy citation should read:
- 1900 *Zelus (Diplacodus)* Kirkaldy, Ent. 33: 242. New name for *Dilodus* Amyot and Serville, 1843.
- p. 639. Our reason for using the subfamily name *Microtominae* is based on the authority of the ICZN, Article 40(b): If a family-group name has been replaced before 1961 because of such synonymy [nominate generic name placed in synonymy], and the replacement has won general acceptance, it is to be maintained. Usage between 1924 and 1961:
- Hammacerinae*: Blatchley (1926), China and Miller (1959), Davis (1961; used interchangeably with *Microtominae*).
- Microtominae*: Costa Lima (1935),

- Neiva and Lent (1936), Usinger (1943), Wygodzinsky (1949), Fracker and Usinger (1949), Davis (1961; used interchangeably with Hammacerinae).
- p. 640. Add Ecuador to distribution of *Homalocoris maculicollis* Stål.
- p. 641. Under genus *Melanolestes* and Type-species, date for Herrich-Schaeffer should be 1846.
- p. 644. Add author and date "Stål, 1859" to subfamily Saicinae.
- p. 649. The type-species of *Triatoma* should be *Cimex gigas*, not *Nabis gigas*.
- p. 652. In family title, authorship for Corizidae should be Costa, 1853, not Douglas and Scott, 1865.
- p. 653. Chorosomini, based on the type genus *Chorosoma*, should be Chorosomatini. Tribal heading should read: "Tribe Chorosomatini Fieber, 1860," not Chorosomini Douglas and Scott, 1865.
- p. 666. Fig. 141, labeled *S. comatula*, should be referred to *S. pexa* (See Polhemus and Chapman, 1979, Bull. Cal. Ins. Surv., 21: 31).
- p. 674. Add parentheses around Jakovlev for *Micracanthia bergrothi*.
- p. 674. According to Vinokurov (1975, Zool. Zh., 54: 1407), *M. fennica* does not occur in Siberia.
- p. 680. Add "Asia" to distributions of *S. pallipes* and *S. palustris*.
- p. 683. Delete "Wash." distribution for *Glyptocombus saltator* Heidemann. Error for "Wash., D. C."
- p. 687. The type-species for *Phimodera*, *Podops gulgulina*, is a junior synonym of *Tetyra humeralis* Dalman, 1823. Add the latter to the index.
- p. 689. Under *Chelysomidea guttata*, date for Herrich-Schaeffer should be 1837.
- p. 697. *Xylastodoris* is feminine; change *luteolus* to *luteola*.
- p. 708. Date for family name Tingidae Laporte should be 1832.
- p. 709. Dates for subfamily Tinginae and tribe Tingini should be Laporte, 1832.
- p. 733. Date for *Dictynota fuliginosa* Costa should be 1853, two times.
- p. 735. Under *Microvelia* and the synonymic genus *Hydroessa*, the type-species *Hydroessa reticulata* is no longer considered a junior synonym of *Velia pygmaea*.
- p. 737. *Microvelia umbricola* Wroblewski, 1838 has been synonymized under *M. buenoi* (Kanyukova, 1986, Sistematika i ekologiya nasekomykh Dal'nego Vostoka, Valdivostok, p. 13), and therefore the distribution of *M. buenoi* includes the Palearctic.
- p. 744. Add "t" to Anthocoridae in Anderson and Kelton (1963) reference.
- p. 748. Add the following reference:
Barber, H. G. 1916. [Note on *Stynocoris rusticus* and *S. sabulosus*]. Journal of the New York Entomological Society, 24: 104.
- p. 750. Delete hyphen in Novitates of Barber (1954) Bimini Island reference.
- p. 754. Add the following references:
Blöte, H. C. 1935. Catalogue of the Coreidae in the Rijksmuseum van Natuurlijke Historie. Part II. Coreinae, first part. Zoologische Mededelingen, 18: 181-227.
Blöte, H. C. 1936. Catalogue of the Coreidae in the Rijksmuseum van Natuurlijke Historie. Part III. Coreinae, second part. Zoologische Mededelingen, 19: 23-66.
- p. 757. According to the original wrapper on Brullé's "Histoire naturelle" in the J. T. Polhemus library, the correct date of publication for part 9 is 1836, not 1835.
- p. 758. Capitalize "É" in Études of 1958 Carayon reference.
- p. 760. Add following references:
Carvalho, J. C. M. 1986. On a new genus and three new species of myrmecomorphic Miridae with two taxonomical notes (Hemiptera). Annales de la

- Société Entomologique de France (new series), 22: 215–221.
- Carvalho, J. C. M. and J. C. Schaffner. 1974. Neotropical Miridae, CLIV: *Bicurvicornis*, *Hyalopsallus* and *Nigrimiris*, new genera of Phylini (Hemiptera). *Revista Brasileira de Biologia*, 33 (supplementum): 17–22 (1973).
- Carvalho, J. C. M. and J. C. Schaffner. 1974. Neotropical Miridae, CLVII: *Adpiasus* and *Mexicomiris*, new genera of Mirinae (Hemiptera). *Revista Brasileira de Biologia*, 33 (supplementum): 39–46 (1973).
- p. 764. Add following reference (see also Guérin-Méneville, p. 782):
- Cowan, C. F. 1971. On Guérin's Iconographie: Particularly the insects. *Journal of the Society for the Bibliography of Natural History*, 6: 18–29.
- p. 779. According to Kerzhner (1981, *Bull. Zool. Nomen.*, 38: 205–207) Germar's (Rev. Ent. Publ. Sibermann) work should be dated 1838, not 1837.
- p. 782. See Cowan (1971, *J. Soc. Biblio. Nat. Hist.*, 6: 18–29) for further clarification on the dates of Guérin-Méneville's "Iconographie." Apparently, the correct date for the entire text is 1844, not 1831–1838 as determined by Dupuis (1953).
- p. 790. The correct pagination for Hoebeke and Wheeler's (1982) *Rhopalus tigrinus* paper is 213–224, not 213–218.
- p. 790. Add following reference: Hoffman, R. L. 1971. The insects of Virginia: No. 4. Shield bugs (Hemiptera; Scutellerodea: Scutelleridae, Corimelaenidae, Cydnidae, Pentatomidae). Virginia Polytechnic Institute and State University, Research Division Bulletin, 67: i–v + 61 pp.
- p. 793. Add following reference:
- Hungerford, H. B. 1944. Synonymic notes in the genus *Glaenocorisa* Thomson (Hemiptera, Corixidae). *Bulletin of the Brooklyn Entomological Society*, 39: 32–34.
- p. 799. Remove hyphen from Canadian in Kelton's (1976) *Xylocoris* paper.
- p. 800. Add following references:
- Kerzhner, I. M. 1970. Zur nomenklatur einiger europäischer Blindwanzen (Heteroptera, Miridae). *Acta Entomologica Musei Nationalis Pragae*, 38: 141–145 (1969).
- Kerzhner, I. M. 1979. New Heteroptera from the Far East of the USSR. *Trudy Zoologicheskogo Instituta Akademii Nauk SSSR*, 81: 14–65. (In Russian).
- p. 815. Remove "Mailloux, G. and H. T. Streu (continued)" from middle of Mailloux and Streu, 1979, reference and close space.
- p. 826. Add following reference:
- Osuna, E. 1981. Revision generica de la tribu Leptoscelidini (Hemiptera, Heteroptera, Coreidae). Universidad Central de Venezuela, Instituto de Zoología Agrícola Publication Maracay. 113 pp., 102 figs., 4 maps.
- p. 828. In Péricart, 1972, reference, correct spelling of "L'Quest" to L'Ouest.
- p. 829. Correct spelling of "Pimental" (in Pimental and Wheeler, 1973) to Pimentel.
- p. 832. Add following reference:
- Puchkov, V. G. 1969. Fauna of the Ukraine (Lygaeidae). *Kiev*, 21 (3): 387.
- p. 842. Remove two hyphens from Insectorum in Schouteden's (1907) paper.
- p. 846. Delete last (1983 *Lygaeus turcicus*) paper under Alex Slater. This was incorrectly duplicated from the J. A. Slater papers.
- p. 847. Transpose "ei" in Society of Slater (1956) *Megaloceraea* paper.

- p. 847. Pagination for Slater (1964a) should be 1168, not 1688.
- p. 861. In the 2nd Uhler (1978) reference, correct the spelling of "Geographical."
- p. 862. Correct the initials of Gillette in Uhler (1895) reference from "G." P. to C. P.
- p. 863. Add "l" to Polycytenidae in Usinger (1946) reference.
- p. 867. Add "i" to Miridae in Wagner (1970-78) citation.
- p. 875. REMINDER ABOUT INDEX: Currently used names in Roman; synonyms, misidentifications, and obsolete combinations in italics; bold for currently used names above species level.
- p. 875. Change page number for **Acroster-num** from 382 to 564.
- p. 878. Add to 2nd column, as 13th entry from bottom, "*amoemus, Macrotylus* 471."
- p. 881. Change "x" to "v" in Kormilev for arizonicus Kormilev, Neuroctenus entry.
- p. 896. The generic spelling under *cuneotinctus* (Van Duzee) should be *Sthenarus*, not *Stenarus*.
- p. 898. Add to 1st column, as 32nd entry, "*diaphanus Reuter, Atomoscelis* 468" and, as 33rd entry, "*diaphanus* (Reuter), *Hyalopsallus* 468."
- p. 906. Second column, 6th line from bottom, the generic name "gastrodes" should be capitalized and bold.
- p. 911. Add to 1st column, as 19th entry, "**Hyalopsallus** Carvalho and Schaffner 468."
- p. 918. Remove dangling "a" before *lucuosum, Mecomma*.
- p. 918. Page number for **Macrocephalus** Swederus should be 600, not 500.
- p. 921. Add to 2nd column, as 2nd entry from bottom "**Mexicomiris** Carvalho and Schaffner 294."
- p. 924. Change page number for genus **Murgantia** Stål from 485 to 585.
- p. 926. Add to 1st column as 5th entry from bottom: *nigridia* Uhler, *Lopidea* 422. Also in index, the correct author of existing entry should be Uhler, not Knight; to correct with above addition, delete Knight.
- p. 926. Add to 3rd column, as 9th entry, "*nigriventris* Knight, *Labopidea* 416."
- p. 928. Add to 3rd column, as 26th entry after *obtusa*, *Edessa* the species, "*obtusa* Uhler, *Mozena* 87."
- p. 937. Change "y" to "t" in Knight of *pubescens* (Knight), *Tytthus* entry.
- p. 938. Add to 2nd column, as 39th entry, "*quadrata, Glaenocorixa*" and, as 40th entry, "*quadrata* Walley, *Glaenocorisa* 117."
- p. 939. Add to 2nd column, as 4th entry, "*recticornia, Megaloceraea* 386."
- p. 941. Add to 3rd column, as 13th entry, "*rubroornatus* Knight, *Polymerus* 358."
- p. 945. Add to 3rd column, as 25th entry, "*setuosus, Ceratocapsus* 398."
- p. 948. Add page number 23 to "*stalii* (Reuter), *Lyctocoris*" entry.
- p. 948. Correct the spelling of **Stenomarca** to **Stenomacra**.
- p. 951. Add to 1st column, as 25th entry, "*texanus* Carvalho, *Mexicomiris* 294."
- p. 953. Page number for genus **Tytthus** should be 457, not 501.
- p. 956. Add to 2nd column, as 11th entry, "*vigilax* (Van Duzee), *Apachemiris* 403"; add to 2nd column, as 13th entry, "*vigilax* Van Duzee, *Orthotylus* 403."
- p. 952. Under the entry "*trivittatus, Lep-tocoris*," page numbers should read "652, 662," not 552, 562.